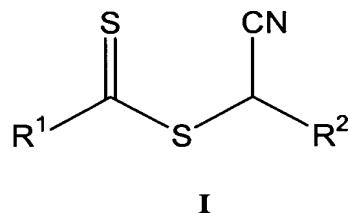


## LOW ODOR CHAIN TRANSFER AGENTS FOR CONTROLLED RADICAL POLYMERIZATION

### ABSTRACT OF THE DISCLOSURE

The present invention relates to low odor  $\alpha$ -cyano-dithiocarboxylic ester compounds of formula I for use as chain transfer agents in free radical polymerizations, and polymerization processes employing them:



wherein

R<sup>1</sup> is selected from alkyl, substituted alkyl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, aryl, substituted aryl, alkoxy, aryloxy, thioalkyl, thioaryl, substituted thioalkyl, substituted thioaryl, secondary amino and tertiary amino;

R<sup>2</sup> is selected from alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, and COOR<sup>3</sup>; and

R<sup>3</sup> is alkyl.